

## ABSTRACT OF THE DISCLOSURE

The present invention provides methods of inducing  
5 immune responses by recombinant antigen-enterotoxin chimeric  
mucosal immunogens that contain the A2/B subunits of cholera toxin  
or heat-labile type II toxins. These chimeric immunogens  
differentially enhance antibody secretion, cytokine production, as  
well as B7-dependent co-stimulation of T cells and CD40L expression  
10 on CD4<sup>+</sup> T cells.